

CONTENTS OF VOLUME 7

Number 1

A Study of the Viscosity of Cellulose Derivatives in Aqueous Solutions C. CASTELAIN, J. L. DOUBLIER and J. LEFEBVRE (France)	1
Physical and Chemical Changes Resulting from Heat Treatment of Soya and Soya Alginate Mixtures C. G. OATES, D. A. LEDWARD, J. R. MITCHELL and I. HODGSON (UK)	17
The Rapid Quantitative Determination of Alginates by Poly(hexamethylene-biguanidinium chloride) Complexation in Industrial Liquors Extracted from Brown Seaweed JOHN F. KENNEDY and IAN J. BRADSHAW (UK)	35
Electron Spin Resonance Studies of Starch-Water-Probe Interactions COSTAS G. BILIADERIS and DAVID J. VAUGHAN (Canada)	51
Super-absorbent Polymers from Starch-Polyacrylonitrile Graft Copolymers by Acid Hydrolysis before Saponification M. YAMAGUCHI, H. WATAMOTO and M. SAKAMOTO (Japan)	71
Summaries of UK Patent Applications	83
Notices	86

Number 2

The Blood Anticoagulant Activity of <i>N</i> -Carboxymethylchitosan Trisulfate RICCARDO A. A. MUZZARELLI and GIOVANNI GIACOMELLI (Italy)	87
Ion Exchange Reactions of Quaternary Ammonium Halides with Wheat Straw. Preparation of Oil-Absorbents GEORGE F. FANTA, THOMAS P. ABBOTT, ROBERT C. BURR and WILLIAM M. DOANE (USA)	97
Coacervation of Gelatin-Gellan Gum Mixtures and Their Use in Microencapsulation G. R. CHILVERS and V. J. MORRIS (UK)	111
Water-soluble Sulfated Polysaccharides from the Red Seaweed <i>Chaetangium fastigiatum</i> . Analysis of the System and the Structures of the α -D(1 \rightarrow 3)-Linked Mannans M. C. MATULEWICZ and A. S. CERESO (Argentina)	121
Helical Structure of β (1-3) Xylan and the Water Mediated Hydrogen Bonding Schemes K. VELURAJA and E. D. T. ATKINS (UK)	133
Structural Characterization of a Tobacco Rhamnogalacturonan H. H. SUN, J. B. WOOTEN, W. S. RYAN, JR., G. H. BOKELMAN (USA) and P. Åman (Sweden)	143

Conference Report	159
Book Reviews	161
Summaries of UK Patent Applications	163
Notices	167

Number 3

Effect of Treatment with Very Dilute Acids on the Wet Tensile Strength and Chemical Properties of Paper	169
T. P. NEVELL and D. NUGAWELA (UK)	
Affinity Interactions Between Agarose and β -1,4-Glycans: a Model for Polysaccharide Associations in Algal Cell Walls.	183
IAIN C. M. DEA and DAVID A. REES (UK)	
A Simple Procedure for the Large-scale Purification of β -D-xylanase from <i>Trichoderma viride</i>	225
TREVOR S. GIBSON and BARRY V. McCLEARY (Australia)	
Conference Report	241
Summaries of UK Patent Applications	243
Notices	245

Number 4

Editorial	247
A Rheological Investigation of Cereal Starch Pastes and Gels. Effect of Pasting Procedures	251
J. L. DOUBLIER, G. LLAMAS and M. LE MEUR (France)	
Characterization and Properties of an Inulinase from a Thermophilic Bacteria	277
J.-J. ALLAIS, G. HOYOS-LOPEZ and J. BARATTI (France)	
Influence of pH and Ionic Strength on the Viscoelastic Properties of Starch Gels — A Comparison of Potato and Cassava Starches	291
P. MUHRBECK and A.-C. ELIASSON (Sweden)	
Solution Properties of Pectin Polysaccharides. I — Aqueous Size Exclusion Chromatography of Flax Pectins	301
DOMINIQUE HOURDET and GUY MÜLLER (France)	
Research Note	
Effect of Treatment with Very Dilute Acids on the Short-span Tensile Strength of Paper	313
T. P. NEVELL and M. A. SHAH (UK)	
News and Views	321
Book Reviews	325

Number 5

Extraction and Characterization of Pectic Substances from Pulp of Grape Berries	329
LUC SAULNIER and JEAN-FRANÇOIS THIBAUT (France)	

Contents of Volume 7

495

Enzymic Degradation of Isolated Pectic Substances and Cell Wall from Pulp of Grape Berries	345
LUC SAULNIER and JEAN-FRANÇOIS THIBAUT (France)	
Studies of Camel Casein Micelles: Treatment with Soluble and Immobilized Neuraminidase	361
MOHAMED A. MEHAIA (Saudi Arabia)	
Gelation of Gellan Gum.	371
HANS GRASDALEN and OLAV SMIDSRØD (Norway)	
Effect of Hydrocolloids on the Rheological Properties of Wheat Starch	395
S. UMADEVI SAJJAN and M. R. RAGHAVENDRA RAO (India)	
News and Views	403
Book Reviews	406

Number 6

A Comparison of the Poly(hexamethylenebiguanidinium chloride) Assay and a Neutral Equivalent Method for the Determination of Alginates in Industrial Liquors Extracted from Brown Seaweed	409
JOHN F. KENNEDY and IAN J. BRADSHAW (UK)	
Thermal Stability and Chain Conformational Studies of Xanthan at Different Ionic Strengths	421
PER FOSS, BJØRN T. STOKKE and OLAV SMIDSRØD (Norway)	
Molecular Organization of Kappa Carrageenan in Aqueous Solution	435
C. ROCHAS and S. LANDRY (France)	
Light Scattering Studies of Solutions of the Bacterial Polysaccharide (XM6) Elaborated by <i>Enterobacter</i> (NCIB 11870)	449
H. D. CHAPMAN, G. R. CHILVERS and V. J. MORRIS (UK)	
Comparison of X-Ray Diffraction Patterns and Sorption Properties of the Hydrolyzed Starches of Potato, Wrinkled and Smooth Pea, Broad Bean and Wheat.	461
ALAIN BULÉON, HERVÉ BIZOT, MARIE MADELEINE DELAGE and BRUNO PONTOIRE (France)	
News and Views	483
Book Reviews	489

-

6

7